# Refine Search

#### Search Results -

Terms	Documents
L11 and fitness adj function and mathematical\$4 and solution adj set	1

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database

Database:

JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L12 .		Refine Search
Recall Text 3	Clear I	Interrupt

#### Search History

DATE: Monday, December 20, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=F	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
<u>L12</u>	L11 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L12</u>
<u>L11</u>	703/2.ccls.	1253	<u>L11</u>
<u>L10</u>	L9 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L10</u>
<u>L9</u>	702/19.ccls.	1646	<u>L9</u>
<u>L8</u>	L7 and fitness adj function and mathematical\$4 and solution adj set	0	<u>L8</u>
<u>L7</u>	706/20.ccls.	528	<u>L7</u>
<u>L6</u>	6,282,527 pn.	2	<u>L6</u>
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u>	706/13.ccls.	233	<u>L1</u>

## **END OF SEARCH HISTORY**

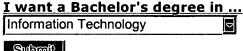


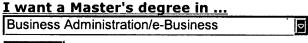
a priori Search

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# 2 entries found for a priori.

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a pri·o·ri Pronunciation Key (ä prē-ôr'ē, -ōr'ē, ā pr ī-ôr'ī, -ōr'ī')

adj.

- 1. Proceeding from a known or assumed cause to a necessarily related effect; deductive.
- 2.
- a. Derived by or designating the process of reasoning without reference to particular facts or experience.
- b. Knowable without appeal to particular experience.
- 3. Made before or without examination; not supported by factual study.

[Medieval Latin  $\overline{a}$ pri $\overline{o}$ r $\overline{1}$ : Latin $\overline{a}$ , from + Latin pri $\overline{o}$ r $\overline{1}$ , ablative of prior, former.]

a pri o ri adv.

a pri or i ty  $(-\hat{o}r')$   $t\overline{e}$ ,  $-\overline{o}r'$  n.

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Source: The American Heritage® Dictionary of the English

Language, Fourth Edition Copyright © 2000 by Houghton Mifflin Company. Published by Houghton Mifflin Company. All rights reserved.

#### a priori

adj 1: involving deductive reasoning from a general principle to a necessary effect; not supported by fact; "an a priori judgment" [ant: <u>a posteriori</u>] 2: based on hypothesis or theory rather than experiment adv : derived by logic, without observed facts [ant: <u>a posteriori</u>]

Source: WordNet ® 2.0, © 2003 Princeton University



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- Thesaurus.com Search for synonyms and antonyms

# **Refine Search**

#### Search Results -

Terms	Documents
evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5

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US Patents Full-Text Database US OCR Full-Text Database

Database:

EPO Abstracts Database
JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

	-
L5	









#### **Search History**

DATE: Monday, December 20, 2004 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u>	706/13.ccls.	233	<u>L1</u>

**END OF SEARCH HISTORY** 

### **Hit List**



**Search Results -** Record(s) 1 through 30 of 30 returned.

☐ 1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 30

File: PGPB

Dec 16, 2004

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Bonabeau, Eric -Cambridge MA US Anderson, Carl Cambridge MA US Orme, Belinda Cambridge MA US Funes, Pablo ' Cambridge MA US Bandte, Oliver Cambridge MA US Sullivan, Mark Cambridge MA US Malinchek, Sergey Cambridge US MA Rothermich, Jeseph A. US

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification	Date Reference Sequences At	tachments Claims KWWC Draw De
E 2 P ID MG 2004045025		
☐ 2. Document ID: US 20040153227	Al	
L2: Entry 2 of 30	File: PGPB	Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153227

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040153227 A1

TITLE: Fuzzy controller with a reduced number of sensors

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Record List Display Page 2 of 14

Hagiwara, Takahide	Iwata-shi	JP
Ulyanov, Sergei V.	Crema	IT
Panfilov, Sergei A.	Crema	ΙT
Takahashi, Kazuki	Crema	IT
Kaneko, Chikako	Iwata-shi	JP
Diamante, Olga	Catania	ΙT

US-CL-CURRENT: 701/40; 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw, De

☐ 3. Document ID: US 20040030420 A1

L2: Entry 3 of 30

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040030420

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040030420 A1

TITLE: System and method for nonlinear dynamic control based on soft computing with

discrete constraints

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47
Ulyanov, Sergei V. Crema IT
Panfilov, Sergei Crema IT
Takahashi, Kazuki Crema IT

US-CL-CURRENT:  $\frac{700}{48}$ ;  $\frac{700}{42}$ ,  $\frac{706}{13}$ ,  $\frac{706}{2}$ 

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw, De

☐ 4. Document ID: US 20030177105 A1

L2: Entry 4 of 30

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBÉR: 20030177105

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030177105 A1

TITLE: Gene expression programming algorithm

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Xiao, Weimin Hoffman Estates IL US
Tirpak, Thomas Michael Glenview IL US

Record List Display Page 3 of 14

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 5. Document ID: US 20030093392 A1

L2: Entry 5 of 30

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093392

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093392 A1

TITLE: System for intelligent control based on soft computing

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Ulyanov, Sergei V.

Crema

IT

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 6. Document ID: US 20030093391 A1

L2: Entry 6 of 30

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030093391

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030093391 A1

TITLE: Combinatorial fitness function circuit

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME CITY

STATE COUNTRY

RULE-47

Shackleford, J. Barry

Portola Valley

CA

US

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

☐ 7. Document ID: US 20030050902 A1

L2: Entry 7 of 30.

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050902

PGPUB-FILING-TYPE: new

Record List Display Page 4 of 14

DOCUMENT-IDENTIFIER: US 20030050902 A1

TITLE: Genetic algorithm optimization method

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

CITY NAME STATE COUNTRY RULE-47

Buczak, Anna L. Croton-On-Hudson NY US Wang, Henry (Hui) Piscataway NJ US

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classific	cation Date Reference Sequences A	Attachments Claims KWMC Draw De
☐ 8. Document ID: US 2002009	5393 A1	
L2: Entry 8 of 30	File: PGPB	Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020095393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020095393 A1

TITLE: Computer program for and method of discrete event computer simulation incorporating biological paradigm for providing optimized decision support

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME CITY STATE · COUNTRY RULE-47

McHaney, Roger Manhattan KS . US

US-CL-CURRENT: <u>706/13</u>; <u>703/11</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
		Ocume:		US 68	07652 B2	E	File: US	PT		Oct	19,	2004
US-PAT-I			R: US	68076	52 B2							

TITLE: Method of robust semiconductor circuit products design using rational robust optimization

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Record List Display Page 5 of 14

McConaghy; Trent Lorne

Ottawa

CA

US-CL-CURRENT: 716/2; 703/13, 706/13, 716/4

Full Title Citation Front Review Classification Date Reference Section 24 State Front Claims KMC Draw De

☐ 10. Document ID: US 6634019 B1

L2: Entry 10 of 30

File: USPT

Oct 14, 2003

US-PAT-NO: 6634019

DOCUMENT-IDENTIFIER: US 6634019 B1

TITLE: Toggling software characteristics in a fault tolerant and combinatorial

software environment system, method and medium

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Rice; Todd M.

Boston

MA

Bennett; Gordon E.

Cambridge

MA

US-CL-CURRENT: <u>717/127</u>; <u>706/13</u>

Title Citation Front Review Classification Date Reference Sequences Attacherance Claims KMC Draw, D.

☐ 11. Document ID: US 6470261 B1

L2: Entry 11 of 30

File: USPT

Oct 22, 2002

US-PAT-NO: 6470261

DOCUMENT-IDENTIFIER: US 6470261 B1

TITLE: Automatic freeway incident detection system and method using artificial

neural network and genetic algorithms

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME CITY

STATE

ZIP CODE

COUNTRY

Ng; Yew Liam Ng; Kim Chwee

Singapore Singapore

SG SG

US-CL-CURRENT: 701/117; 340/425.5, 340/901, 340/905, 701/301, 706/13, 706/15

Full Title Citation Front Review Classification Date Reference Security Machine Claims KMC Draw De

☐ 12. Document ID: US 6415272 B1

L2: Entry 12 of 30

File: USPT

Jul 2, 2002

US-PAT-NO: 6415272

DOCUMENT-IDENTIFIER: US 6415272 B1

TITLE: System for intelligent control based on soft computing

DATE-ISSUED: July 2, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Ulyanov; Sergei V.

Crema

ΙT

US-CL-CURRENT: 706/2; 706/10, 706/13, 706/903

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. Da

☐ 13. Document ID: US 6327582 B1

L2: Entry 13 of 30

File: USPT

Dec 4, 2001

US-PAT-NO: 6327582

DOCUMENT-IDENTIFIER: US 6327582 B1

TITLE: Method and system for genetic programming

DATE-ISSUED: December 4, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Worzel; William P.

Milan

ΜI

48160

US-CL-CURRENT: <u>706/13</u>

Full Title Citation Front Review Classification Date Reference Septimizes Attachments Claims KMC Draw De

☐ 14. Document ID: US 6272479 B1

L2: Entry 14 of 30

File: USPT

Aug 7, 2001

US-PAT-NO: 6272479

DOCUMENT-IDENTIFIER: US 6272479 B1

TITLE: Method of evolving classifier programs for signal processing and control

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Record List Display Page 7 of 14

Farry; Kristin Ann
Fernandez; Julio Jaime
Graham; Jeffrey Scott

Houston TX 77546
Suger Land TX 77479
Houston TX 77064

US-CL-CURRENT: 706/13; 700/213, 700/250, 706/14

Full Title Citation Front Review Classification Date Reference Sequences Application Claims KMC Draw De

☐ 15. Document ID: US 6128607 A

L2: Entry 15 of 30

File: USPT

Oct 3, 2000.

US-PAT-NO: 6128607

DOCUMENT-IDENTIFIER: US 6128607 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Nordin; Peter

S-411 05 Goteborg

SE

Banzhaf; Wolfgang

44575 Castrop-Rauxel

DE

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference Sequences Stationaries Claims KMC Draw, De

☐ 16. Document ID: US 6098059 A

L2: Entry 16 of 30

File: USPT

Aug 1, 2000

US-PAT-NO: 6098059

DOCUMENT-IDENTIFIER: US 6098059 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME CIT

CITY

STATE ZIP CODE

COUNTRY

Nordin; Peter

S-411 05 Goteborg

SE

US-CL-CURRENT: <u>706/13</u>

Full Title Citation Front Review Classification Date Reference Sections Allocation Claims KWIC Draw, De

☐ 17. Document ID: US 6058385 A

Record List Display Page 8 of 14

L2: Entry 17 of 30

File: USPT

May 2, 2000

US-PAT-NO: 6058385

DOCUMENT-IDENTIFIER: US 6058385 A

TITLE: Simultaneous evolution of the architecture of a multi-part program while

solving a problem using architecture altering operations

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME . CITY STATE ZIP CODE COUNTRY

Koza; John R. Los Altos Hills CA 94022 Andre; David Menlo Park CA 94025 Tackett; Walter Alden San Francisco CA 94118

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sapramasa	Aleginans.	Claims	KMC	Draw, De
												•

#### ☐ 18. Document ID: US 6052678 A

L2: Entry 18 of 30

File: USPT

Apr 18, 2000

Aug 31, 1999

US-PAT-NO: 6052678

DOCUMENT-IDENTIFIER: US 6052678 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Problem solving operation apparatus using a state transition

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME CITY · STATE ZIP CODE COUNTRY Itoh; Hiroyasu Kawasaki JΡ Shinagawa; Akio Kawasaki JΡ Nishimura; Toshihiro Kawasaki JΡ Okada; Hiroyuki Kawasaki JP Adachi; Nobue Kawasaki JΡ Ohi; Hajime Tokyo JΡ

US-CL-CURRENT: 706/13; 706/20, 706/45

Full Ti	itle	Citation	Front	Review	Classification	Date	Reference	Segueros:	Aladma is	Claims	KWIC	Drawi De
						<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>						

File: USPT

US-PAT-NO: 5946674

L2: Entry 19 of 30

Record List Display Page 9 of 14

DOCUMENT-IDENTIFIER: US 5946674 A

TITLE: Turing complete computer implemented machine learning method and system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Nordin; Peter

Goteborg

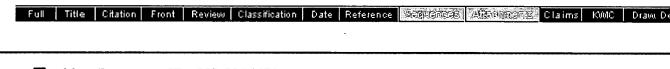
SE

Banzhaf; Wolfgang

Castrop-Rauxel

DE

US-CL-CURRENT: <u>706/13</u>



☐ 20. Document ID: US 5946673 A

L2: Entry 20 of 30

File: USPT

Aug 31, 1999

US-PAT-NO: 5946673

DOCUMENT-IDENTIFIER: US 5946673 A

TITLE: Computer implemented machine learning and control system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME CI

CITY

STATE ZIP CODE

90029

COUNTRY

Francone; Frank D.

Los Angeles

CA

Nordin; Peter

S-411 05 Gothenburg

SE

Banzhaf; Wolfgang

Castrop-Rauxel

DE

US-CL-CURRENT: 706/13; 700/246, 701/301

Full Title Citation Front Review Classification Date Reference **Sources Description** Claims KMC Draw De

☐ 21. Document ID: US 5897629 A

L2: Entry 21 of 30

File: USPT

Apr 27, 1999

US-PAT-NO: 5897629

DOCUMENT-IDENTIFIER: US 5897629 A

TITLE: Apparatus for solving optimization problems and delivery planning system

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE

COUNTRY

Shinagawa; Akio

Kawasaki

JΡ

Record List Display Page 10 of 14

Okada; Hiroyuki

Takada; Kazumi

Kawasaki

JΡ

Nakabayashi; Ayumi

Tokyo Tokyo JΡ JΡ

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference (Supporting 2018) Pront Review Claims KWC Draw, D.

☐ 22. Document ID: US 5864633 A

L2: Entry 22 of 30

File: USPT

Jan 26, 1999

US-PAT-NO: 5864633

DOCUMENT-IDENTIFIER: US 5864633 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method and apparatus for optical data analysis

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Opsal; Jon

Livermore

CA

Sidorowich; John J.

Aptos

CA

US-CL-CURRENT: 382/141; 706/13

Full Title Citation Front Review Classification Date Reference Securities Attachments Claims KMC Draw, De

☐ 23. Document ID: US 5841947 A

. L2: Entry 23 of 30

File: USPT

Nov 24, 1998

US-PAT-NO: 5841947

DOCUMENT-IDENTIFIER: US 5841947 A

TITLE: Computer implemented machine learning method and system

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Nordin; Peter

S-411 05 Goteborg

SE

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification Date Reference Statements Claims KWIC Draw, De

Record List Display Page 11 of 14

☐ 24. Document ID: US 5742738 A

L2: Entry 24 of 30 File: USPT Apr 21, 1998

US-PAT-NO: 5742738

DOCUMENT-IDENTIFIER: US 5742738 A

TITLE: Simultaneous evolution of the architecture of a multi-part program to solve a problem using architecture altering operations

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Koza; John R. 94022 Los Altos Hills CA

Andre; David Menlo Park CA Tackett; Walter Alden San Francisco CA

US-CL-CURRENT: 706/13

Full	Title	Citation F	ront	Review	Classification	Date	Reference	Saveness	<b>History</b>	Claims	KWIC	Draw, De
				*****************	·							
_	0.5	ъ		T 10 5	717707 4							

☐ 25. Document ID: US 5717787 A

L2: Entry 25 of 30 File: USPT Feb 10, 1998

US-PAT-NO: 5717787

DOCUMENT-IDENTIFIER: US 5717787 A

TITLE: Method for data compression by associating complex numbers with files of

data values

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Feo; John Thomas Dublin CA Hanks; David Carlton San Ramon CA Kraay; Thomas Arthur Leeburg VA

US-CL-CURRENT: 382/232; 382/249, 706/13

Full	Title Citatio	n Front	Review	Classification	Date	Reference	Sovemes	Aleenisis.	Claims	KMC	Draw. De
			***************************************			***************************************					
	26. Docu	ment II	): US 5	651099 A							
L2: En	ntry 26 o	f 30				File: U	SPT		Jul	22.	1997

US-PAT-NO: 5651099

DOCUMENT-IDENTIFIER: US 5651099 A

Record List Display Page 12 of 14

TITLE: Use of a genetic algorithm to optimize memory space

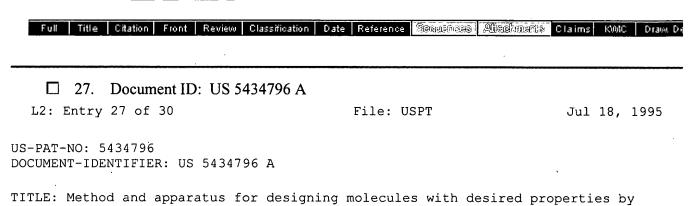
DATE-ISSUED: July 22, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Konsella; Shane Boise ID

US-CL-CURRENT: 706/13; 707/1



DATE-ISSUED: July 18, 1995

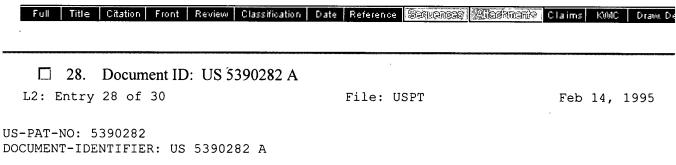
evolving successive populations

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Weininger; David Santa Fe NM

US-CL-CURRENT: 703/12; 435/DIG.51, 706/13



TITLE: Process for problem solving using spontaneously emergent self-replicating

and self-improving entities

DATE-ISSUED: February 14, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Koza; John R. Los Altos Hills CA 94022

Rice; James P. Redwood City CA.

US-CL-CURRENT: 706/13



☐ 29. Document ID: US 5343554 A

L2: Entry 29 of 30

File: USPT

Aug 30, 1994

US-PAT-NO: 5343554

DOCUMENT-IDENTIFIER: US 5343554 A

TITLE: Non-linear genetic process for data encoding and for solving problems using

automatically defined functions

DATE-ISSUED: August 30, 1994

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Koza; John R.

Rice; James P.

Los Altos

Redwood City

CA

94022

CA

US-CL-CURRENT: 706/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	8:4.6.0.6	Medicals	Claims	KWIC	Draw, De
			··		· ·							
	20	D	4 ID	. IIG 5	126606 A							

☐ 30. Document ID: US 5136686 A

L2: Entry 30 of 30

File: USPT

Aug 4, 1992

US-PAT-NO: 5136686

DOCUMENT-IDENTIFIER: US 5136686 A

\*\* See image for Certificate of Correction \*\*

TITLE: Non-linear genetic algorithms for solving problems by finding a fit

composition of functions

DATE-ISSUED: August 4, 1992

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

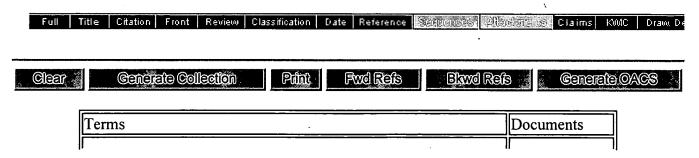
Koza; John R.

Los Altos Hills

CA

94022

US-CL-CURRENT: 706/13



L1 and fitness adj function and mathematical\$4

30

Change Format Display Format:

Previous Page Next Page Go to Doc#

## **Hit List**

Clear Concrete Collection Print Fwd Refs Ekwal Refs
Concrete OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 4

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bonabeau, Eric	Cambridge	MA	US	•
Anderson, Carl	Cambridge	MA	US	
Orme, Belinda	Cambridge	MA	US	
Funes, Pablo	Cambridge	MA	US	
Bandte, Oliver	Cambridge	MA	US	
Sullivan, Mark	Cambridge	MA	US	
Malinchek, Sergey	Cambridge	MA	US	•
Rothermich, Jeseph A.			US	

US-CL-CURRENT: 706/13

Full Title Citation Front Review Classification	n Date Reference	Sequences /	Attachments Claims	KMC	Draw, De
☐ 2. Document ID: US 6148274 A		•			
L4: Entry 2 of 4	File: USPT	?	Nov	14,	2000

US-PAT-NO: 6148274

DOCUMENT-IDENTIFIER: US 6148274 A

\*\* See image for Certificate of Correction \*\*

TITLE: Optimization adjusting method and optimization adjusting apparatus

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Record List Display Page 2 of 3

Watanabe; Tatsumi Kyoto JP
Takagi; Hideyuki Fukuoka JP
Obara; Kazuaki Neyagawa JP
Maruno; Susumu Osaka JP

US-CL-CURRENT: 703/6; 381/60, 706/13

Full Title Citation Front Review Classification Date Reference <u>Saxpanises</u> <u>Attestmortes</u> Claims KMC Draw De

☐ · 3. Document ID: US 6004015 A

L4: Entry 3 of 4

File: USPT

Dec 21, 1999

US-PAT-NO: 6004015

DOCUMENT-IDENTIFIER: US 6004015 A

\*\* See image for Certificate of Correction \*\*

TITLE: Optimization adjusting method and optimization adjusting apparatus

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Soraku-gun Watanabe; Tatsumi JΡ Takagi; Hideyuki Fukuoka JΡ Obara; Kazuaki Neyagawa JΡ Maruno; Susumu Osaka JΡ

US-CL-CURRENT: 700/28; 702/85, 706/13

Full Title Citation Front Review Classification Date Reference Sequences Attending (18) Claims KMC Draw De

☐ 4. Document ID: US 5940816 A

L4: Entry 4 of 4

File: USPT

Aug 17, 1999

US-PAT-NO: 5940816

DOCUMENT-IDENTIFIER: US 5940816 A

TITLE: Multi-objective decision-support methodology

DATE-ISSUED: August 17, 1999

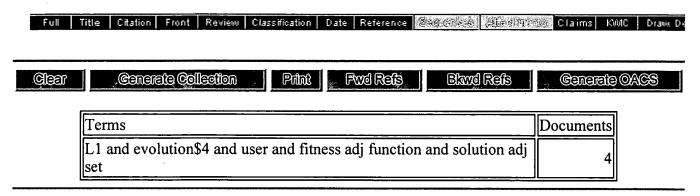
INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fuhrer; Robert Mack New York NY
Henry; Raymond T. Fishkill NY
Akkiraju; Rama Kalyani T. Ossining NY
Lougee-Heimer; Robin Ossining NY

Murthy; Seshashayee Sankarshana Elmsford NY Rachlin; John Nathan Tarrytown NY Sturzenbecker; Martin C. Carmel NY Wu; Frederick Yung-Fung Cos Cob CT

US-CL-CURRENT: 706/13



Display Format: - Change Format

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Record List Display Page 1 of 3

#### Hit List



**Search Results -** Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20040254901 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 5

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040254901

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040254901 A1

TITLE: Methods and systems for interactive evolutionary computing (IEC)

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Bonabeau, Eric Cambridge MA US Anderson, Carl Cambridge MA US Orme, Belinda Cambridge MA US Funes, Pablo Cambridge MA US Bandte, Oliver Cambridge MA ·US Sullivan, Mark Cambridge MA US Malinchek, Sergey Cambridge MA US Rothermich, Jeseph A. US

US-CL-CURRENT: 706/13

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw, De

☐ 2. Document ID: US 20040133355 A1

L5: Entry 2 of 5

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133355

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040133355 A1

TITLE: Methods and compositions utilizing evolutionary computation techniques and

differential data sets

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

Record List Display Page 2 of 3

NAME

CITY

STATE COUNTRY

RULE-47

Schneider, Luke V.

Palo Alto

CA

US

US-CL-CURRENT: 702/19; 702/20

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 3. Document ID: US 20030055614 A1

L5: Entry 3 of 5

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055614 A1

TITLE: Method for optimizing a solution set

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY

RULE-47

Pelikan, Martin Goldberg, David E. Champaign Champaign IL

IL

US-CL-CURRENT: 703/2

US

US

☐ 4. Document ID: US 20020122067 A1

L5: Entry 4 of 5

File: PGPB

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020122067

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020122067 A1

TITLE: System and method for automatic layout of images in digital albums

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME C

CITY

STATE COUNTRY

RULE-47

Geigel, Joseph M.

Pittsford

NY

US

Loui, Alexander C.

Penfield

NY

US

US-CL-CURRENT: <u>715/788</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

Record List Display Page 3 of 3

☐ 5. Document ID: US 6408227 B1

L5: Entry 5 of 5 File: USPT

Jun 18, 2002

COUNTRY

US-PAT-NO: 6408227

DOCUMENT-IDENTIFIER: US 6408227 B1

TITLE: System and method for controlling effluents in treatment systems

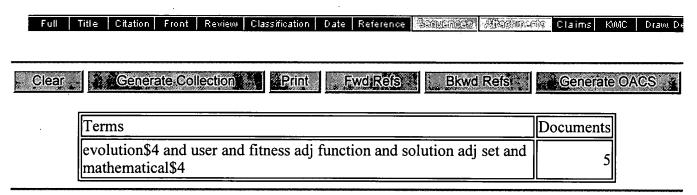
DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE

Singhvi; Sanjay S. Coralville IA Schnoor; Jerald L. Iowa City IA

US-CL-CURRENT: 700/266; 700/32



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# **Refine Search**

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Terms	Documents
evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

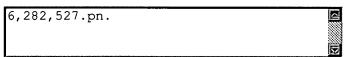
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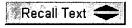
EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:











#### **Search History**

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<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u>	706/13.ccls.	233	<u>L1</u>

**END OF SEARCH HISTORY** 

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US Pre-Grant Publication Full-Text Database

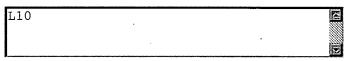
US Patents Full-Text Database US OCR Full-Text Database

Database:

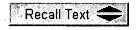
EPO Abstracts Database
JPO Abstracts Database

Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:











#### **Search History**

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DB = P	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=NO; OP=OR		
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<u>L9</u>	702/19.ccls.	1646	<u>L9</u>
<u>L8</u>	L7 and fitness adj function and mathematical\$4 and solution adj set	0	<u>L8</u>
<u>L7</u>	706/20.ccls.	528	<u>L7</u>
<u>L6</u>	6,282,527.pn.	2	<u>L6</u>
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u>	706/13.ccls.	233	<u>L1</u>

**END OF SEARCH HISTORY** 

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**Search Results** - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040133355 A1

Using default format because multiple data bases are involved.

L10: Entry 1 of 1

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133355

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040133355 A1

TITLE: Methods and compositions utilizing evolutionary computation techniques and

differential data sets

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Schneider, Luke V.

Palo Alto

CA

US

US-CL-CURRENT: 702/19; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWWC	Draim D
<b>Ø</b> lær		©ener@	ite Col	jeđjon	Pilial	į "F	wd Refs	Bkwe	Refs	Cener	ate 0/	(CS)
	Terr L9 a		ess adj	function	on and math	emati	ical\$4 and	l solution a		ocumen	ts 1	

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**Search Results -** Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20030055614 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 1

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030055614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030055614 A1

TITLE: Method for optimizing a solution set

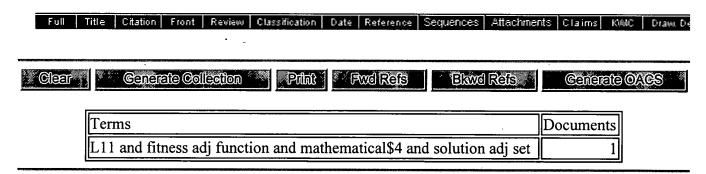
PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Pelikan, Martin Champaign ILUS Goldberg, David E. Champaign ILUS

US-CL-CURRENT: 703/2



**Display Format:** -Change Format

**Previous Page** Next Page Go to Doc# WEST Refine Search Page 1 of 2

# **Refine Search**

#### Search Results -

Terms	Documents
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US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

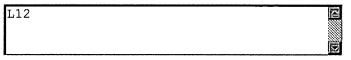
US OCR Full-Text Database

Database:

EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:











#### **Search History**

DATE: Monday, December 20, 2004 Printable Copy Create Case

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<u>L11</u>	703/2.ccls.	1253	<u>L11</u>
<u>L10</u>	L9 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L10</u>
<u>L9</u>	702/19.ccls.	1646	<u>L9</u>
<u>L8</u>	L7 and fitness adj function and mathematical\$4 and solution adj set	0	<u>L8</u>
<u>L7</u>	706/20.ccls.	528	<u>L7</u>
<u>L6</u>	6,282,527.pn.	2	<u>L6</u>
<u>L5</u>	evolution\$4 and user and fitness adj function and solution adj set and mathematical\$4	5	<u>L5</u>
<u>L4</u>	L1 and evolution\$4 and user and fitness adj function and solution adj set	4	<u>L4</u>
<u>L3</u>	L1 and fitness adj function and mathematical\$4 and solution adj set	1	<u>L3</u>
<u>L2</u>	L1 and fitness adj function and mathematical\$4	30	<u>L2</u>
<u>L1</u>	706/13.ccls.	233	<u>L1</u>

## END OF SEARCH HISTORY